


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ted Y. TSAI
Serial No.: 09/609,513
Filed: July 3, 2000
For: MINIMIZING CHLORINATED ORGANICS
IN PULP BLEACHING PROCESSES
GAU/Examiner: M. Alvo/ 1731

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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein.

This statement is believed to be in compliance with the provisions of 37 C.F.R. §§ 1.97 and 1.98. A copy of an article not previously submitted (see below) is enclosed. Copies of the cited references by the Examiner, and previously submitted references are not enclosed as they are of record in the file of parent application Serial No. 09/149,313 filed September 8, 1998, now abandoned, which was a continuation of Serial No. 08/617,612 filed March 19, 1996, now abandoned.

Copies Not Previously Submitted

1. "Integration of D and EDTA Stages on Pulp Properties", by D. Sergeyev, et al..
The Siberian Pulp and Paper Research Institute.

By this submission applicant is not admitting the materiality of these references; they are merely submitted to ensure full compliance with 37 C.F.R. § 1.56.

Respectfully submitted,

LUEDEKA, NEELY & GRAHAM, P.C.

By: *M. Graham*

Mark S. Graham

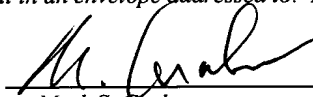
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on October 23, 2000
Date



Mark S. Graham

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	09/609,513
				Filing Date	July 3, 2000
				First Named Inventor	Ted Y. Tsai
				Group Art Unit	1731
				Examiner Name	M. Alvo
Sheet	1	of	3	Attorney Docket No.	47753.C2

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PATENT & TRADEMARK

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document No.	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figs. Appear
	/	2,347,434	Reichert et al.	04/25/1944	
		3,251,731	Gard	05/17/1966	
		3,539,445	Crossland	11/10/1970	
		3,619,110	Borezee et al.	11/1971	
		3,694,309	Glerer et al.	09/26/1972	
		4,238,282	Hyde	12/09/1980	
		4,568,420	Nonni	02/04/1986	
		4,599,138	Lindahl	07/08/1986	
		4,675,076	Darlington	06/23/1987	
		4,732,650	Michalowski et al.	03/22/1988	
		4,804,440	Liebergott et al.	02/14/1989	
		4,826,567	Gratzl	05/02/1989	
		4,826,568	Gratzl	05/02/1989	
		4,938,842	Whiting et al.	07/03/1990	
		4,946,556	Prough	08/07/1990	
		5,143,580	Basta et al.	09/01/1992	

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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Figures Appear	T ⁴
		Office ²	Number ³				
		WO	91/12369	Lindeberg, et al.	08/22/1991		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹Unique citation designation number. ²Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ³For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴Applicant is to place a check mark here if English language translation is attached.

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First Named Inventor Ted Y. TSAI

Group Art Unit 1731

Examiner Name M. Alvo

Attorney Docket No. 47753.C2

Sheet

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		Office ²	Number ³				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴
	1	"Peroxide in the Semibleaching of Kraft Pulp", <u>Papper Och Tra</u> , No. 11, 1968, pgs. 629-638	
		"Bleaching Sulphate Pulp with Hydrogen Peroxide", P.K. Christensen; <u>Pulp and Paper Magazine of Canada</u> , Vol. 73, No. 2 Feb. 1972, pgs. 62-66	
		"Bleaching of chemical Pulps with Oxygen and Ozone", N. Soteland; <u>Pulp and Paper Magazine of Canada</u> , Vol. 75, No. 4, April 1974, pgs. 91-96	
		"Peroxide Beaching of Kraft Softwood", Hassan Loutfi, <u>Pulp and Paper Canada</u> , Vol. 81, No. 12, December 1980, pgs. 145-149	
		"Hydrogen Peroxide Bleaching", <u>1983 Bleach Plant Operations</u> ; pgs. 65-71	

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¹Unique citation designation number. ²Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ³For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴Applicant is to place a check mark here if English language translation is attached.

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		Office ²	Number ³				
JA		EP	0 622 491 A2	Holtinger			

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴
		"Bleaching with Hydrogen Peroxide in High Density Storage; Pulp Bleaching", R. Owins, W. G. Strunk and Ty. Y. Meng, <u>Pulp & Paper Canada</u> , 869 (1985), pgs. 79-84.	
JA		"Present Possibilities for Hydrogen Peroxide as a Bleaching Agent for Kraft Pulps":, M. G. Delattre, <u>Appita</u> , Vo. 28, No. 2, September 1974, pgs. 89-98.	
		Chlorine-Free Bleaching: Ozone and Enzymes to the Rescue?", Martin MacLeod, <u>Tappi Journal</u> , November 1991, pgs. 203-208.	
		SINGH, "The Bleaching of Pulp", TAPPI PRESS, Atlanta, GA, 1979, pages 130-134.	
		CARMICHAEL ET AL., "Short-Sequence Bleaching with Hydrogen Peroxide", Tappi J. , Nov. 1986, pages 90-94.	
		ROBITAILLE, "Hydrogen Peroxide: A Versatile Bleaching Agent", Pulp & Paper Canada, 12-1988, pages 167-170.	
		SERGEYEV, et al., "Integration of D and EDTA Stages during Hardwood and Softwood Pulp Bleaching", The Siberian Pulp and Paper Research Institute, Bratsk, Russia	

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